POLE ATTACHEES

Saddle Rock, Village of Lattington, City of Long Beach, Village of Old Brookville, Village of Malverne, Village of Great Neck Estates, Village of South Floral Park, Village of Hewlett Bay Park, Village of Brookville, Village of Woodsburgh, Village of Upper Brookville, Village of Cove Neck, Village of Matinecock, Village of Oyster Bay Cove, Village of Roslyn Estates, Village of Roslyn Harbor, Village of Plandome Manor, Village of Plandome Heights, Village of Munsey Park, Village of Center Island, Wayne County Dept. of Buildings & Ground, Union Endicott Central School District, Finger Lakes Cable Corp., State of NY Psychiatric Center, Rural TV, Rotelcom, Phoenix Cable, Paragon Cable - Elmira Division, Paragon Cable, P & C Food Markets, Oneida Ltd., Northern Steel Corp., Newark Central School, New Channels Corp., New Channels Corp. - Corning, Mid Hudson Cable Vision, Hornell Television Service, Harron Communications Corp., Halley Electric,, Haefele TV Inc., E.H. Titchener & Company, D.W.S. Construction Company, County Cable, Cooney Cable, Castle Cable, Cabelvision Industries - Chittenango, Cablesystem of Watertown, Cable Vision Industries, Bloomville Cable, Cablevision of Dutchess, Paragon Cable, TCI Kingston, Cablevision Walden, Cablevision Olive, CVI Saugerties, Vidacable CATV, Cablevision Orange, Cablevision Saugerties, TCI Poughkeepsie, US Cablevision, Cablevision Sullivan, Park Cable, CTEC Cable Systems, Robert Green Chevrolet, SYDA Foundation, Simmons Communications, Norstar Bank, Keybank of South Eastern NY, Historic H/V Radio, Huck Manufacturing, Brooks Fiber Properties, MCI

POLE ATTACHEES

Frontier Insurance Company, Sullivan County BOCES, Cablevision Brooklyn/SI, SI Cable, Cablevision Lightspan, Melville Office Center, Cablevision System Company, TCI Brookhaven, V Cable Inc., Cablevision, Cable of Long Island, Town of Huntington, Town of Smithtown, Town of Brookhaven, Town of Southold, Town of Babylon, Town of Islip, A-R Cable Services of Central NY, A-R Services, Inc., Adelphia Cable Central Area, Agway, Inc., American Community Cablevision, AR Cable Services, Armstrong Mold Corp., Auburn Cablevision, Bassett Hospital, Bath Central School District, Bath Television & Service Company, Bloomville Cable, C.O.D. Realty, Cable Vision Inc., Cable Vision Industries, Cablesystems of Watertown, Castle Cable TV Inc., County Cable, DWS Construction, New Channels Corp., A-R Services of Northeast, Cable Communication - Willsboro, CVI - Liberty, CVI - Saratoga, CVI - Saugerties, Chsmplain NewChannels, DWS Construction of Northeast, First Carolina, Gateway Cablevision, Harron Communications, Hoosick Cablevision, Hudson Valley, James Feeney & Associates, Keene Valley Video, Mahoney Notifier, Mid-Hudson Cable, Milestone Communication, New Channels - Battenkill, New Channels - Malone, New Channels - Troy, Plattsburgh Cablevision, Princetown Cable, Resort Cablevision, RPI, Schenectady Cable, Taconic Technology, Time Warner - Albany, Word of Life, SUNY Albany, Queens Inner City Cable, American Cablevision, B.Q. Cable, IBM, American Cable - Westchester, Northeast Networks, Abbott House, Extel Communications, Iona College, Lamont Doherty, Lincoln Hall, Northeast Networks, Town of Greenburg, Town of Spring Valley, Sutom Properties, U.S. Regulatory, Village of Laurel Hollow, Village of Dering Harbor, Village of Saltaire

The Defined Process

- Application for Attachment
- Specification Requirements
- Insurance and Surety Requirements
 Pre-Construction Survey New Construction
- Overlashing Notification
- Self Survey when Overlashing
- Make Ready Work
- Inspection of Licensee's Facilities

Degree of Assignability

• Public -- None (Must have franchise or be Transportation Corporation for Statutory Right to Public ROW)

Private -- Case by Case

25% Easements

If CLEC Attachment -- probably OK BA-NY existing easement assignability does not cover CLEC placement of structures

75% Other

Right of Way Permissions -- No Assignment, Facility Specific and are Revocable

Definitions

• Utility Pole

Pole solely or jointly owned by the Licensor (Telephone, Electric or Municipality) — used to support its facilities, any joint user's and/or authorized licensee's.

Pole Attachment

Any of the Licensee's facilities in direct contact with or otherwise supported by a utility pole. (Commonly referred to as Third Party Attachments)

Conduit System

Any reinforced passage or opening in, on, under/over or through the ground capable of containing communications facilities, and includes: main conduit; underground dips such as short sections of conduit under roadways, driveways, parking lots and similar conduit installations; laterals to poles or into buildings; ducts; and manholes.

Right of Way

Underlying Rights to access our infrastructure.

Other Local Service Providers



Orders For New Service	.800-295-1111
Installation	.800-295-1111
Repair	.800-295-0611
Billing Inquiry	.800-295-1111
Hearing'Impaired	.800-421-1220
Speech Impaired	.800-421-1220

Community telephone

Orders For New Services	.1-800-260-8766
Repairs & Installations	.1-800-260-8766
Billing Inquiries	.1-800-260-8766



Orders For New Service	212-566-2100
Customer Service/Repair	1-888-272-6389
Billing Inquiries	516-951-2500
General Information	212-566-2100

frontier $^{\circ}$

New Service	212 7	714-1774	or 212	681-4402
Repair & Bill	ing Inquiries		.1-800-	414-1973
Automated Ac	count Information		.1-800-	261-0200



Residential Customer Service	1-800-222-0300
Residential Calling Card	1-800 CALL ATT
TTY/TDD Users	1-800-833-3232
Business Customer Service	1-800-222-0400
Corporate Calling Card	.1-800-882-2273

LCI International² Worldwide Telecommunications

All Customer Service Inquiries	$\dots \dots 1-888-524-0011$
New York Sales Office	



CABLE & WIRELESS INC

Customer Satisfaction-Business	1-800-229-6885
New Service-Business Only	1-800-229-6885
Billing Inquiry-Business	1-800-229-6885



Orders For New Service	.1-888-800-9923
Installation & Repair	.1-888-800-9924
Customer Service	.1-888-800-9927
Billing Inquiries	.1-888-800-9926
Calling Cards	.1-888-800-9928



Business Sales & Service	00-374-6400
Business Billing & Repair1-8	00-374-6400
Business Payment Information	00-374-6400
Residential Sales & Service1-80	00-950-5555
Residential Billing & Repair	00-950-5555
Residential Payments1-80	00-950-5555



Business Sales and Service	1-888-498-8
(24 Hour Service, 7 days a week)	
Business Billing and Repair	1-888-498-84
Residential Sales and Service	1-800-952-58
Residential Billing and Repair	1-800-952-58





Business Sales & Service	388-877 -19 8
Residential Sales & Service	800-538-094
Repair	3 <mark>00-538-09</mark> 4



Orders For New Service	888-666-4753
Installation	888-462-4782
Maintenance	888-462-4782
Billing Inquiry	888-493-4800

TCG

General Information
New York Sales Office1-212-478-800
Customer Service1-888-CARETCO
Maintenance & Repair



Local Telephone Installation	
Telephone Customer Service .	



Orders For New Service	1-800-874-717
Installation	1-800-874-717
Repair	1-800-874-717
Billing Inquiry	1-800-874-717

Other Local Service Providers





Customer Service	212-922-1801
Orders For New Service	212-922-1801
Installation/Repair	212-922-1801
Billing Inquiry	212-922-1801



Customer Service	.1-800-889-4007
New Service	1-888-973 9UTT
Repair	.1-800-669-9629

Telergy

Orders For New Service	1-800-889-6716
Installation	1-800-889-6716
Repair	1-800-889-6716
Billing Inquiry	1-800-889-6716

Winstar Telecommunications

Orders For New Business Service	1-888-961-8800
Installation	1-888-961-8800
Repair	.1-888-961-8800
Billing Inquiry	1-888-961-8800



w IRLD COM

Intelenet Companies
Local Sales Office
Customer Service, Repair & Billing (800) 938-6374
Telecom Companies
Local Sales Office
Customer Service and Billing(800) 938-6374
Repair(800) 637-2489



Sales-Local	.1-888-499-7300
Customer Service	.1-800-887-6861
Billing	.1-800-887-6861
Repair	.1-800-244-8624

February 2, 1998



BA-NY provides non-discriminatory access for Interconnection facilities and equipment to the local network for the transmission and routing of local exchange and exchange access traffic

- Available to: Any requesting telecommunications carrier
 - · Switched based providers
 - CLECs obtaining unbundled local switching
- Available under:
 - Interconnection Agreements.
 - Tariff
- Available at:
 - Any technically feasible point within the network
 - Quality equal to that provided to BA-NY



Status of Interconnection

- 17 approved Interconnection Agreements
- Provisioned 78,600 trunks in 1997, 121,600 overall
- Approximately 10 times CLEC forecasts; more than double 1996
- Trunk types available include

End office trunks: 49,000 provided in 152 offices

Two way trunks: 3,000 in service

Clear Channel /ISDN Capable

 Traffic volumes have reached over 700 million minutes of use exchanged each month



• Provisioning and Maintenance of Interconnection Trunks are provided in a non-discriminatory manner.

A. Provisioning:

- •Local Service Request (LSR) for provisioning
- •Engineering Design and Facility verification
- •Engineering Design forwarded to field organizations for installation
- •Completion on Due Date to CLEC/BA-NY with end to end testing
- •If CLEC not ready, mutually changed service completion date
- •Placed in service for traffic carriage

B. Maintenance:

- •Identified equipment or translation issue affecting service delivery
- •Trouble report process initiated via Carrier Account team center and CLEC
- •Contact appropriate CLEC and /or BA-NY Network Operation Center for trouble identification and resolution
- •Network Management Dynamics provided on a non-discriminatory basis
- •Trouble resolution and restoration



Interconnection Trunking:

- Initial trunk intervals coordinated with activation of CLEC switch
- Additional trunks on standard intervals
- Trunks are provisioned and maintained in a nondiscriminatory manner with all other trunks (e.g. local) for both BA-NY and CLECs



Provisioned 78,600 trunks in 1997, 121,600 overall

• Trunk Types available include:

End Office Trunks:

49,000 provided to CLECs in 152 offices

Two way Trunks:

3,000 in service

- CLEC on time provisioning at 98%.
- No held orders
- Intervals continue to improve. Capacity increased 150% over forecast. Forecasting process put in place.
- Results skewed by significant number of CLECs not ready.
- Engineering design and verification provided within 10 days.



• Network Forecasting, Availability and Utilization of Interconnection Trunks are provided in a non-discriminatory manner.

- Forecasting and Design: Planning Process that precedes initial orders for trunks
 - Forecasts developed by both CLECs and BA-NY for future needs
 - Engineering requirements for the network defined
 - Equipment needs identified based on total forecast
 - Orders placed with manufacturers
 - Installation of equipment on delivery
 - Trunks provisioned based on date of service request
 - Trunk design and equipment exactly equal whether CLEC or BA-NY



- Lack of Forecasts from CLECs at times hindered network availability in 1997
- To gain common ground on forecasting, mutual process developed by CLECs/BA-NY via NYPSC Case-C-0139
- To overcome the lack of forecasts and the held orders that evolved from this, BA-NY made extensive infrastructure additions for 1997-98
- Extensive spare capacity now available at 53,472 Trunks.
- Network buildout for 1998 will provide 335,472 available trunks, more than double the 1998 forecast of 129,000 Trunks



Even with these expansive BA-NY infrastructure additions, CLECs have current spare capacity in their network. Roughly 20% of all their current trunks are not carrying traffic.

- CLEC's have utilization rates on their network of 51%
- CLECs currently have 14% of all known local trunks in the NY Metro Area 110,215 CLEC trunks to 703,899 BA-NY trunks.



- Through a proactive network management process, call blocking has been eliminated as a CLEC concern.
- December 1997 blocking rates are better than objective levels of 2%:

	% of Groups exceeding 2% blocking
CLEC/BA-NY Shared/Common	
Transport (E.O to Tandem):	1.48

CLEC FINAL Groups (Tandem to POP): 1.67

• Only blocking problems are being caused by a lack of CLEC facilities to handle trunk augmentations requested by BA-NY, currently there are 9,007 trunks that BA-NY cannot install due to the CLEC's lack of facilities or readiness.



- Provisioned 78,600 trunks in 1997, 121,600 overall
- On time Performance of 98% For CLEC trunks
- Installation Intervals reduced in 4th Qtr to 34 Days overall
- Held orders reduced to zero
- Spare capacity on hand now to handle 1998 forecast through Oct '98
- 1998 infrastructure additions will allow BA-NY to handle more than double the 1998 forecast of 129,000 Trunks if necessary.
- Forecasting process and measurement plan developed through NYPSC Case-C-0139.
- Network Blocking on CLEC/BA-NY Shared/Common Groups at 1.5% of Groups
- Network Blocking on CLEC Finals at 1.6% of Groups



Signaling and Call Related Databases

- Three Types of Access:
 - Interconnection for the Exchange of Signaling Messages
 - Access to existing Call Related Database Systems
 - Access to Advanced Intelligent Network (AIN) Service Creation and Service Management System (SMS)

Interconnection for the Exchange of Signaling Messages

- BA-NY is exchanging all types of signaling messages with telecommunications carriers
 - Call Set up/Trunk Signaling
 - Services (*69, *66)
 - Call Related Database Services (800, LIDB, AIN, LNP)
- Interconnection established with 14 CLECs
- Currently exchanging both Call Set up (14 CLECs) and CLASS messages (7 CLECs)
- Supporting development of first CLEC AIN Service (AT&T)

Access to Call Related Database Systems

- 800 Database
 - CLEC Access available through national, third party administered
 Service Management System (SMS) used by LECs and IXCs
- Line Information Database (LIDB)
 - Tariffed BA-NY service to store CLEC information in its LIDB
 - CLEC access to LIDB for data management provided through DCAS (Direct Customer Access System)
- Local Number Portability (LNP)
 - Provides for both CLEC queries for routing information and storage of CLEC routing information

Access to AIN Service Creation and Service Management System

- AIN service creation and provisioning process fully documented
- CLEC Service Creation Environment established Mid-October
 - Service development work station
 - access to test facilities
 - time scheduled on demand
- AIN SMS partitioned and ready to accept CLEC service data
- No CLEC requests for SCE

BA-NY's Section 271 Filing

Local Loop, Switching & Tranport Interim Number Portability

Gary Butler
Vice President - Customer Provisioning
February 5, 1998